



## U.S. PATENT AND TRADEMARK OFFICE

Form PTO-1595

U.S. Department of Commerce

## RECORDATION FORM COVER SHEET - PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<b>1</b> Name of conveying party(ies): a) D.F. Ault _____ b) E.S. Bender _____ c) J.K. Franks _____ d) J.A. Holmbold _____ e) _____ f) _____ More names attached? <input type="checkbox"/> Y <input type="checkbox"/> X <input type="checkbox"/> N		<b>2</b> Name and address of receiving party(ies): Name: INTERNATIONAL BUSINESS Internal Address: MACHINES CORPORATION Armonk, New York 10504 More names attached? <input type="checkbox"/> Y <input type="checkbox"/> X <input type="checkbox"/> N	
<b>3</b> Nature of Conveyance: <input type="checkbox"/> Assignment Application number: 08/187,675 <input type="checkbox"/> Filed with new application: <input type="checkbox"/> yes <input type="checkbox"/> X <input type="checkbox"/> no Execution date(s): a) <u>01/27/94</u> _____ b) <u>01/27/94</u> _____ c) <u>01/27/94</u> _____ d) <u>01/27/94</u> _____ e) _____ f) _____ Additional numbers attached? <input type="checkbox"/> Y <input type="checkbox"/> X <input type="checkbox"/> N		RECEIVED 94 FEB 28 PM 1:30 ASSIGNMENT BRANCH	
<b>4</b> Name and address of party to whom correspondence concerning document should be mailed: Name: William A. Kinnaman IBM Corporation Intellectual Property Law, 31BA/058 Neighborhood Road Kingston, New York 12401			
<b>5</b> Total # of applications and patents involved: <u>01</u>		<b>6</b> Total fee (37 CFR 3.41): \$ <u>40.00</u> Charge to Deposit Account 09-0459. A duplicate of this sheet is enclosed.	
DO NOT USE THIS SPACE			
<b>7</b> Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  <div style="display: flex; justify-content: space-between;"><div>Louise M. Calamari</div><div><i>Louise M. Calamari</i> Signature</div><div>02/14/94 Date</div></div>			
Total # of pages comprising cover sheet: 03			

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Express Mail Label No. (if applicable):

Docket No.: KI9-94-001

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## A S S I G N M E N T

Whereas, we

Donald Fred Ault County of Dutchess	of Hyde Park and State of New York
Ernest Scott Bender County of Ulster	of Saugerties and State of New York
Jon Kevin Franks County of Ulster	of Saugerties and State of New York
John Arthur Helmbold County of Ulster	of Kingston and State of New York

have invented certain improvements in QUIESCE TERMINATION/  
SUSPENSION IN A MULTITHREADED ENVIRONMENT  
and executed a United States Patent Application therefor on  
JANUARY 27, 1994 Jan 27 1994, JANUARY 27, 1994,  
and JANUARY 27, 1994 under Serial #08/187,675.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a  
corporation of New York, having a place of business at Armonk, New  
York, 10504, (hereinafter called IBM), desires to acquire the entire  
right, title and interest in the said application and invention, and to  
any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby  
acknowledged, we, the above named, hereby sell, assign and transfer  
to IBM, its successors and assigns, the entire right, title and interest  
in the said application and the invention therein disclosed for the  
United States and foreign countries, and all rights of priority resulting  
from the filing of said United States application, and we request the  
Commissioner of Patents to issue any Letters Patent granted upon the  
invention set forth in said application to IBM, its successors and  
assigns; and we hereby agree that IBM may apply for foreign Letters  
Patent on said invention and we will execute all papers necessary in  
connection with the United States and foreign applications when called  
upon to do so by IBM.

Signed and sealed

- (1) at Kingston, N.Y.  
on 1/27/94
- (2) at Kingston, N.Y.  
on 1/27/94
- (3) at KINGSTON, N.Y.  
on 1/27/94
- (4) at KINGSTON, N.Y.  
on 1/27/94

Donald Fred Ault  
Donald Fred Ault

Ernest Scott Bender  
Ernest Scott Bender

Jon Kevin Franks  
Jon Kevin Franks

John Arthur Helmbold  
John Arthur Helmbold

RECEIVED 1 FEB 1994

State of New York )  
County of Ulster ) ss.:

- (1) On this 27<sup>th</sup> day of January 1994, before me personally came Donald Fred Ault to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari  
Notary

State of New York )  
County of Ulster ) ss.:

LOUISE M. CALAMARI  
NOTARY PUBLIC, State of New York  
Qualified in Ulster County  
Commission Expires 6-15-95

- (2) On this 27<sup>th</sup> day of January 1994, before me personally came Ernest Scott Bender to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari  
Notary

State of New York )  
County of Ulster ) ss.:

LOUISE M. CALAMARI  
NOTARY PUBLIC, State of New York  
Qualified in Ulster County  
Commission Expires 6-15-95

- (3) On this 27<sup>th</sup> day of January 1994, before me personally came Jon Kevin Franks to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari  
Notary

State of New York )  
County of Ulster ) ss.:

LOUISE M. CALAMARI  
NOTARY PUBLIC, State of New York  
Qualified in Ulster County  
Commission Expires 6-15-95

- (4) On this 27<sup>th</sup> day of January 1994, before me personally came John Arthur Helmbold to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari  
Notary

LOUISE M. CALAMARI  
NOTARY PUBLIC, State of New York  
Qualified in Ulster County  
Commission Expires 6-15-95

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PATENT & TRADEMARK OFFICE

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U.S. PATENT AND TRADEMARK OFFICE

Form PTO-1595

U.S. Department of Commerce

RECORDATION FORM COVER SHEET - PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>a) D.F. Ault _____</p> <p>b) E.S. Bender _____</p> <p>c) J.K. Franks _____</p> <p>d) J.A. Holmbold _____</p> <p>e) _____</p> <p>f) _____</p> <p>More names attached? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: INTERNATIONAL BUSINESS</p> <p>Internal Address: MACHINES CORPORATION</p> <p style="text-align: right;">Armonk, New York 10504</p> <p>More names attached? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</p>
<p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment      Application number: 08/187,675</p> <p>Filed with new application: <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>Execution date(s):</p> <p>a) <u>01/27/94</u> _____</p> <p>b) <u>01/27/94</u> _____</p> <p>c) <u>01/27/94</u> _____</p> <p>d) <u>01/27/94</u> _____</p> <p>e) _____</p> <p>f) _____</p> <p style="text-align: center;">Additional numbers attached? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</p>	
<p>4. Name and address of party to whom correspondence concerning document should be mailed:</p> <p style="padding-left: 20px;">Name: William A. Kinnaman</p> <p style="padding-left: 20px;">IBM Corporation</p> <p style="padding-left: 20px;">Intellectual Property Law, 318A/058</p> <p style="padding-left: 20px;">Neighborhood Road</p> <p style="padding-left: 20px;">Kingston, New York 12401</p>	<p>5. Total # of applications and patents involved: <u>01</u></p> <p>6. Total fee (37 CFR 3.41):</p> <p style="padding-left: 20px;">\$ <u>40.00</u> Charge to</p> <p style="padding-left: 20px;">Deposit Account 09-0459. A</p> <p style="padding-left: 20px;">duplicate of this sheet</p> <p style="padding-left: 20px;">is enclosed.</p>
<p>DO NOT USE THIS SPACE</p>	
<p>7. Statement and Signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 45%;"> <p>_____ Louise M. Calamari</p> </div> <div style="width: 45%; text-align: center;"> <p><i>Louise M. Calamari</i> Signature</p> </div> <div style="width: 10%; text-align: right;"> <p>02/14/94 Date</p> </div> </div> <p style="text-align: right; margin-top: 10px;">Total # of pages comprising cover sheet: 03</p>	

# ASSIGNMENT

Whereas, we

Donald Fred Ault  
County of Dutchess

of Hyde Park  
and State of New York

Ernest Scott Bender  
County of Ulster

of Saugerties  
and State of New York

Jon Kevin Franks  
County of Ulster

of Saugerties  
and State of New York

John Arthur Helmbold  
County of Ulster

of Kingston  
and State of New York

have invented certain improvements in QUIESCE TERMINATION/  
SUSPENSION IN A MULTITHREADED ENVIRONMENT  
and executed a United States Patent Application therefor on  
January 27, 1994, Jan 27 1994, JANUARY 27, 1994,  
and JANUARY 27, 1994, under Serial #08/187,675.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a  
corporation of New York, having a place of business at Armonk, New  
York, 10504, (hereinafter called IBM), desires to acquire the entire  
right, title and interest in the said application and invention, and to  
any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby  
acknowledged, we, the above named, hereby sell, assign and transfer  
to IBM, its successors and assigns, the entire right, title and interest  
in the said application and the invention therein disclosed for the  
United States and foreign countries, and all rights of priority resulting  
from the filing of said United States application, and we request the  
Commissioner of Patents to issue any Letters Patent granted upon the  
invention set forth in said application to IBM, its successors and  
assigns; and we hereby agree that IBM may apply for foreign Letters  
Patent on said invention and we will execute all papers necessary in  
connection with the United States and foreign applications when called  
upon to do so by IBM.

Signed and sealed

(1) at Kingston, N.Y.  
on 1/27/94

Donald Fred Ault  
Donald Fred Ault

(2) at Kingston, N.Y.  
on 1/27/94

Ernest Scott Bender  
Ernest Scott Bender

(3) at KINGSTON, N.Y.  
on 1/27/94

Jon Kevin Franks  
Jon Kevin Franks

(4) at KINGSTON, N.Y.  
on 1/27/94

John Arthur Helmbold  
John Arthur Helmbold

State of New York )  
County of Ulster ) ss.:

- (1) On this 27<sup>th</sup> day of January, 1994, before me personally came Donald Fred Ault to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari  
Notary

LOUISE M. CALAMARI  
NOTARY PUBLIC, State of New York  
Qualified in Ulster County  
Commission Expires 6-15-95

State of New York )  
County of Ulster ) ss.:

- (2) On this 27<sup>th</sup> day of January, 1994, before me personally came Ernest Scott Bender to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari  
Notary

LOUISE M. CALAMARI  
NOTARY PUBLIC, State of New York  
Qualified in Ulster County  
Commission Expires 6-15-95

State of New York )  
County of Ulster ) ss.:

- (3) On this 27<sup>th</sup> day of January, 1994, before me personally came Jon Kevin Franks to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari  
Notary

LOUISE M. CALAMARI  
NOTARY PUBLIC, State of New York  
Qualified in Ulster County  
Commission Expires 6-15-95

State of New York )  
County of Ulster ) ss.:

- (4) On this 27<sup>th</sup> day of January, 1994, before me personally came John Arthur Helmbold to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

Louise M. Calamari  
Notary

LOUISE M. CALAMARI  
NOTARY PUBLIC, State of New York  
Qualified in Ulster County  
Commission Expires 6-15-95



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

DATE: 03/15/94

TO:

N05A

APR 1 10 59 AM '94

WILLIAM A. KINNAMAN  
IBM CORPORATION  
INTELLECTUAL PROPERTY LAW, 31BA/058  
NEIGHBORHOOD ROAD  
KINGSTON, NY 12401

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR: DOC DATE: 01/27/94  
AULT, DONALD F.

ASSIGNOR: DOC DATE: 01/27/94  
BENDER, ERNEST S.

ASSIGNOR: DOC DATE: 01/27/94  
FRANKS, JON K.

ASSIGNOR: DOC DATE: 01/27/94  
HELMBOLD, JOHN A.

RECORDATION DATE: 02/17/94 NUMBER OF PAGES 003 REEL/FRAME 6861/0629

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:  
INTERNATIONAL BUSINESS MACHINES CORPORATION  
ARMONK, NY 10504

SERIAL NUMBER 8-187675 FILING DATE 01/27/94  
PATENT NUMBER ISSUE DATE 00/00/00

*Keith Moore*  
EXAMINER/PARALEGAL  
ASSIGNMENT BRANCH  
ASSIGNMENT/CERTIFICATION SERVICES DIVISION